

ABSTRACT OF THE DISCLOSURE

An array substrate includes a transparent substrate, an organic insulation layer, a pixel electrode, a reflective layer, a light blocking pattern and a switching part.

5 The transparent substrate includes a reflective window that reflects an ambient light and a transmissive window that transmits an artificial light. The organic insulation layer disposed over the transparent substrate becomes thinner gradually at a boundary between the transmissive window and the reflective window. The pixel electrode is formed in the transmissive region. The reflective layer is disposed over
10 the organic insulation layer of the reflective window. The light blocking pattern is disposed at the boundary between the transmissive and reflective windows to prevent a light leakage. The switching part is electrically connected to the pixel electrode to apply an image signal to the pixel electrode. Therefore, a light leakage occurring at boundary is prevented by the light blocking pattern.

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